

Notice of Allowability

Application No.

10/678,313

Examiner

Tai Duong

Applicant(s)

TSUCHIYA, HITOSHI

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment 9/02/05.
2. ☒ The allowed claim(s) is/are 1,4,6 and 13-16.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>08/15/05</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Daniel A. Tanner, III on 09/29/05.

In the claims

In claim 1, line 9, "each of the first elliptically" has been deleted;
line 10, "polarizing plate and the second elliptically polarizing plate having a liquid crystal film fixed " has been deleted; and
line 11, "in hybrid alignment," has been deleted.

In claim 6, line 9, "each of the first elliptically" has been deleted;
line 10, "polarizing plate and the second elliptically polarizing plate having a liquid crystal film fixed " has been deleted; and
line 11, "in hybrid alignment," has been deleted.

In the title

After "apparatus", the following phrase has been inserted: -- having two elliptically polarizing plates --.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

Claims 1 and 6 are allowable over the prior art of record because none of the prior art discloses or suggests a LCD device having the combination of the following features: 1) a *semi-transparent reflective* layer provided on an inner side of the lower substrate, the inner side being adjacent to the liquid crystal layer, 2) *each* of the first elliptically polarizing plate and the second elliptically polarizing plate including a polarizer for transmitting linearly polarized light, at least one liquid crystal film fixed in nematic hybrid alignment or discotic hybrid alignment , and at least one stretched film", 3) "angles formed between phase-advancing axes of the liquid crystal films fixed in nematic or discotic hybrid alignment in the first elliptically polarizing plate and the second elliptically polarizing plate and a rubbing axis of the liquid crystal cell are within a range from plus 30 degrees to minus 30 degrees". Claims 4 and 13-16 are also allowable since they depend on the allowed claims 1 and 6.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to Tai Duong at telephone number (571) 272-2291.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

TD
TVD

09/05

Andrew Schechter
ANDREW SCHECHTER
PRIMARY EXAMINER